Claims

- 1. (currently amended) An optical filter for viewing an object, comprising an optically absorptive absorptive lens having a spectral transmittance that includes an object-contrast spectral window and a background spectral window.
 - 2. (canceled)
- 3. (previously presented) The filter of claim 1, wherein the background spectral window is a wavelength range from about 620 nm to about 700 nm.
- 4. (previously presented) The filter of claim 1, wherein the object-contrast spectral window is a wavelength range of from about 420 nm to 520 nm.
- 5. (original) The filter of claim 1, wherein the background window corresponds to at least a portion of a spectral reflectance of vegetation.
- 6. (original) The filter of claim 1, wherein the object-contrast window corresponds to a wavelength-conversion spectrum of light produced by the object.
- 7. (original) The filter of claim 6, wherein the background spectral window is a wavelength range of from about 530 nm to about 570 nm.
 - 8. (original) The filter of claim 7, wherein the filter includes a spectral-width window.
- 9. (original) The filter of claim 7, wherein the spectral-width window includes wavelengths greater than about 610 nm.

- 10. (previously presented) An optical filter comprising an optically absorptive lens having a first spectral window selected to preferentially transmit light from an object and a second spectral window selected to preferentially transmit light from a background.
- 11. (original) The optical filter of claim 10, wherein the first spectral window is selected to transmit wavelength-converted light from the object.
- 12. (original) The optical filter of claim 10, wherein the first spectral window is selected to transmit light reflected by the object.
- 13. (previously presented) Eyewear for viewing of an object with respect to a background, comprising:

a frame; and

at least one optically absorptive lens configured to be placed with respect to a wearer's eyes so that the wearer looks through the lens, the lens defining a spectral transmittance having an object-contrast spectral window and a background spectral window.

- 14. (currently amended) The eyewear of claim 10 13, wherein the background spectral window corresponds to a wavelength range in which the background is reflective.
- 15. (currently amended) The eyewear of claim 10 13, wherein the background spectral window corresponds to a reflectance spectrum of vegetation.
- 16. (currently amended) The eyewear of claim 10 13, wherein the object-contrast window corresponds to a spectrum of wavelength-converted light produced by the object.
- 17. (currently amended) The eyewear of claim 10 13, wherein the lens defines a spectral-width window.

18-20. (canceled)

- 21. (previously presented) Activity-specific eyewear, comprising:
- a lens having a spectral transmittance that includes a background spectral window that transmits visible radiation at wavelengths greater than about 620 nm and an object-contrast spectral window; and
- a frame configured to retain and situate the lens so that a wearer views through the lens with the eyewear as worn.
- 22. (original) The eyewear of claim 21, wherein the lens is a unitary lens and is situated by the frame so that a wearer views through the lens with both eyes with the eyewear as worn.
- 23. (original) The eyewear of claim 21, wherein the object-contrast spectral window corresponds to a spectrum of wavelength-converted light produced by a golf ball.
- 24. (original) The eyewear of claim 21, wherein the object-contrast spectral window corresponds to a spectrum of light received from an activity-specific object.

25-33. (canceled)

- 34. (currently amended) The eyewear of claim 10 13, wherein the object-contrast window is a wavelength range of about 420 nm to about 520 nm.
- 35. (currently amended) The eyewear of claim 10 13, wherein the background spectral window is a wavelength range of about 620 nm to about 700 nm.
- 36. (previously presented) The eyewear of claim 21, wherein the object-contrast spectral window is a wavelength range of from about 420 nm to about 520 nm.
- 37. (new) An optical filter for viewing an object, comprising an optically reflective lens having a spectral transmittance that includes an object-contrast spectral window and a background spectral window.

Page 4 of 8

- 38. (new) The filter of claim 37, wherein the background spectral window is a wavelength range from about 620 nm to about 700 nm.
- 39. (new) The filter of claim 37, wherein the object-contrast spectral window is a wavelength range of from about 420 nm to 520 nm.
- 40. (new) The filter of claim 37, wherein the background window corresponds to at least a portion of a spectral reflectance of vegetation.
- 41. (new) The filter of claim 37, wherein the object-contrast window corresponds to a wavelength-conversion spectrum of light produced by the object.
- 42. (new) The filter of claim 41, wherein the background spectral window is a wavelength range of from about 530 nm to about 570 nm.
 - 43. (new) The filter of claim 42, wherein the filter includes a spectral-width window.
- 44. (new) The filter of claim 42, wherein the spectral-width window includes wavelengths greater than about 610 nm.
- 45. (new) An optical filter comprising an optically reflective lens having a first spectral window selected to preferentially transmit light from an object and a second spectral window selected to preferentially transmit light from a background.
- 46. (new) The optical filter of claim 45, wherein the first spectral window is selected to transmit wavelength-converted light from the object.
- 47. (new) The optical filter of claim 45, wherein the first spectral window is selected to transmit light reflected by the object.

- 48. (new) Eyewear for viewing of an object with respect to a background, comprising: a frame; and
- at least one optically reflective lens configured to be placed with respect to a wearer's eyes so that the wearer looks through the lens, the lens defining a spectral transmittance having an object-contrast spectral window and a background spectral window.
- 49. (new) The eyewear of claim 48, wherein the background spectral window corresponds to a wavelength range in which the background is reflective.
- 50. (new) The eyewear of claim 48, wherein the background spectral window corresponds to a reflectance spectrum of vegetation.
- 51. (new) The eyewear of claim 48, wherein the object-contrast window corresponds to a spectrum of wavelength-converted light produced by the object.
 - 52. (new) The eyewear of claim 48, wherein the lens defines a spectral-width window.